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123003
**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 42P17403

First Inventor Steven K. Reinhardt, et al.

Title BUFFERING UNCHECKED STORES FOR FAULT DETECTION IN REDUNDANT MULTITHREADING SYSTEMS USING SPECULATIVE MEMORY SUPPORT

Express Mail Label No. EV409361841US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents

- Fee Transmittal Form (e.g., PTO/SB/17)  
*(Submit an original and a duplicate for fee processing)*
- Applicant claims small entity status.  
See 37 CFR 1.27.
- Specification [Total Pages 17]
  - Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (*if filed*)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
- Drawing(s) (35 U.S.C. 113) [Total Sheets 5 ]
- Oath or Declaration (unsigned) [Total Pages 5 ]
  - a.  Newly executed (original or copy)
  - b.  Copy from a prior application (37 C.F.R. § 1.63(d))  
*(for continuation/divisional with Box 18 completed)*
    - i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
- Application Data Sheet. See 37 CFR 1.76

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation     Divisional     Continuation-in-part (CIP)

of prior application No: \_\_\_\_\_

Prior application Information: Examiner \_\_\_\_\_

Group/Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**18. CORRESPONDENCE ADDRESS** Customer Number

08791

or  Correspondence address below

Name	Ami Patel Shah Blakely, Sokoloff, Taylor & Zafman LLP				
Address	12400 Wilshire Boulevard, 7th Floor				
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Name (Print/Type)	John P. Ward	Registration No. (Attorney/Agent)	40,216
Signature	12/30/03		

Based on PTO/SB/05 (08-03) as modified by Blakely, Sokoloff, Taylor & Zafman (wtr) 08/11/2003.  
SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450031356 U.S.P.T.O.  
10/750010

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S. PTO

# FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27.

TOTAL AMOUNT OF PAYMENT (\$)

770.00

## Complete if Known

Application Number	
Filing Date	December 30, 2003
First Named Inventor	Steven K. Reinhardt
Examiner Name	
Group/Art Unit	
Attorney Docket No.	42P17403

## METHOD OF PAYMENT (check all that apply)

Check     Credit card     Money Order     Other     None

Deposit Account

Deposit Account Number **02-2666**Deposit Account Name **Blakely, Sokoloff, Taylor & Zafman LLP**

The Commissioner is authorized to: (check all that apply)

- Charge fee(s) indicated below     Credit any overpayments
- Charge any additional fee(s) required under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20.
- Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility filing fee	<b>770.00</b>
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)		(\$)			<b>770.00</b>

## 2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
10	- 20* = 0	X 18.00 =	\$0.00
2	- 3* = 0	X 86.00 =	\$0.00

Multiple Dependent

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1202	18	2202	9	Claims in excess of 20	
1201	86	2201	43	Independent claims in excess of 3	
1203	290	2203	145	Multiple Dependent claim, if not paid	
1204	86	2204	43	**Reissue independent claims over original patent	
1205	18	2205	9	**Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)		(\$)			<b>0.00</b>

\*\*or number previously paid, if greater. For Reissues, see below

## 3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code (\$)	
1051	130	2051	65 Surcharge - late filing fee or oath
1052	50	2052	25 Surcharge - late provisional filing fee or cover sheet
2053	130	2053	130 Non-English specification
1812	2,520	1812	2,520 For filing a request for ex parte reexamination
1804	920*	1804	920 * Requesting publication of SIR prior to Examiner action
1805	1,840*	1805	1,840 * Requesting publication of SIR after Examiner action
1251	110	2251	55 Extension for reply within first month
1252	420	2252	210 Extension for reply within second month
1253	950	2253	475 Extension for reply within third month
1254	1,480	2254	740 Extension for reply within fourth month
1255	1,210	2255	605 Extension for reply within fifth month
1404	330	2401	165 Notice of Appeal
1402	330	2402	165 Filing a brief in support of an appeal
1403	290	2403	145 Request for oral hearing
1451	1,510	2451	1,510 Petition to institute a public use proceeding
1452	110	2452	55 Petition to revive - unavoidable
1453	1,330	2453	665 Petition to revive - unintentional
1501	1,330	2501	665 Utility issue fee (or reissue)
1502	480	2502	240 Design issue fee
1503	640	2503	320 Plant issue fee
1460	130	2460	130 Petitions to the Commissioner
1807	50	1807	50 Prosessing fee under 37 CFR 1.17(q)
1806	180	1806	180 Submission of Information Disclosure Stmt
8021	40	8021	40 Recording each patent assignment per property (times number of properties)
1809	770	1809	385 Filing a submission after final rejection (37 CFR § 1.129(a))
1810	770	2810	385 For each additional invention to be examined (37 CFR § 1.129(b))
1801	770	2801	385 Request for Continued Examination (RCE)
1802	900	1802	900 Request for expedited examination of a design application
Other fee (specify)			

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$)

## SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	John P. Ward	Registration No. (Attorney/Agent)	40,216	Telephone	(408) 720-8300
Signature				Date	12/30/03

Based on PTO/SB/17 (08-03) as modified by Blakely, Sokoloff, Taylor & Zafman (wir) 08/11/2003.  
SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Application No.: \_\_\_\_\_ Filing Date: 12/30/2003 BSTZ Docket #: 42390.P17403 Atty/Sec: JPW/APS/mrw

Date Mailed: 12/30/2003 Docket Due Date(s): \_\_\_\_\_ Client: INTEL CORPORATION

Title BUFFERING UNCHECKED STORES FOR FAULT DETECTION IN REDUNDANT MULTITHREADING SYSTEMS USING SPECULATIVE MEMORY SUPPORT

Inventor(s) Reinhardt, Mukherjee, Emer, Weaver

The following has been received in the U.S. Patent & Trademark Office on the date stamped hereon:

Amendment: (   pgs)  
 Appeal Brief & two copies (   pgs)  
 Application: Utility  
                  (17 pages w/ cover & abstract)  
 Application Amended to Reflect Claim of Priority  
 Assignment & Cover Sheet (   pgs)  
 Certificate of  
 Continued Prosecution Application (CPA)  
 Declaration & POA (5 pgs) (unsigned)  
 Drawings: 5 sheets, 5 figures  
 Express Mail No: EV409361841US  
 Extension of Time: \_\_\_\_\_  
 Fee Transmittal (original & copy)  
 Other Express mail certificate of mailing

Information Disclosure Statement & PTO/SB/08 (   pgs)  
 Issue Fee Transmittal (original & copy)  
 Nonpublication Request Under 35 U.S.C. 122(b)(2)(B)(i)  
 Notice of Appeal  
 Petition for: \_\_\_\_\_  
 Request for Continued Examination (RCE)  
 Reply Brief (   pgs)  
 Request to Rescind Previous Nonpublication Request  
 Response to Notice of Missing Parts & Formalities Letter  
 Terminal Disclaimer  
 Transmittal of Formal Drawings  
 Transmittal of Publication Fee Due  
 Transmittal Letter  
 Check No. 62110 in the Amount of \$770.00  
 Check No. in the Amount of \_\_\_\_\_

SV \_\_\_\_\_

Assignee: Intel Corporation

**EV409361841US**

"Express Mail" mailing label number: EV409361841US

Date of Deposit: December 30, 2003

I hereby state that I am causing this paper or fee to be deposited with the United States Postal Service "Express Mail Post Office to Addressee" service on the date indicated above and that this paper or fee has been addressed to the Commissioner for Patents,  
PO Box 1450, Alexandria, Virginia 22313-1450

Maureen R. Pettibone

(Typed or printed name of person mailing paper or fee)

Maureen R. Pettibone

(Signature of person mailing paper or fee)

12/30/2003

(Date signed)